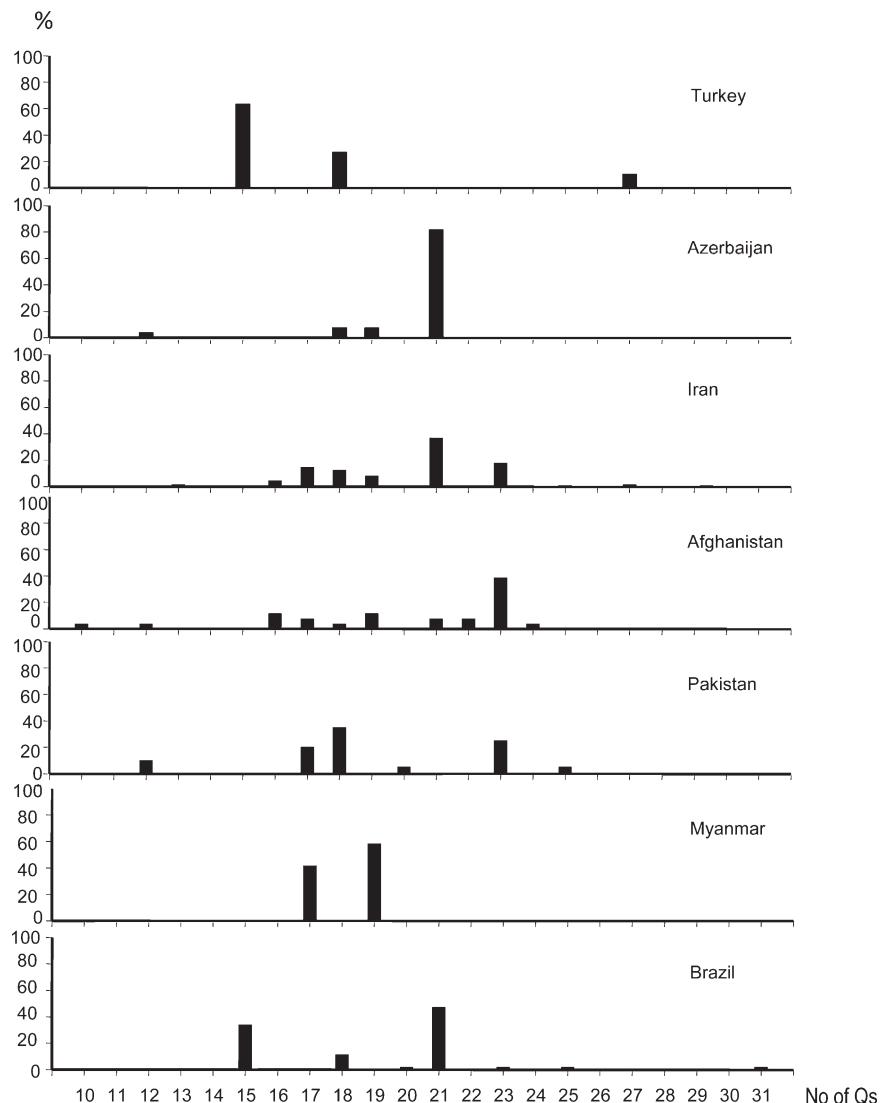


**SUPPLEMENTARY FIGURE 1.** Amino acid sequence alignment of *Plasmodium vivax* merozoite surface protein 1 from Turkey. Sequences of three haplotypes from Turkey are shown with the Sal-1 sequence (GenBank accession no. AF435593). Sequence variations in other isolates ( $n = 42$ ) are shown below Sal-1. Dots denote amino acids identical to TR-5 and hyphens denote gaps. Blue-highlighted boxes are highly variable sequence regions containing indels and variable numbers of denigrating oligopeptide repeats. Eight amino acid substitutions found only in Turkey are highlighted in pink. Yellow-highlighted boxes are six major nonsynonymous substitution regions in Figure 2. Predicted processing sites (Sawai and others<sup>2</sup>) and boundaries of sequence blocks (Putapornpitip and others<sup>13</sup>) are indicated by vertical lines.



SUPPLEMENTARY FIGURE 2. Frequency distribution of poly Q repeat haplotypes in block 6 of *Plasmodium vivax* merozoite surface protein 1 from Turkey, Azerbaijan, Iran, Afghanistan, Pakistan, Myanmar, and Brazil. See Materials and Methods for details.

SUPPLEMENTARY TABLE 1  
Primers used for sequencing of *Plasmodium vivax* microsatellite loci\*

Microsatellite	Primer name	Sequence (5'-3')	Type
MS8	PvMS8-F1	TGAGGAGGGCGCCGGAGATAGCATTAGT	First PCR primer
	PvMS8-R1	AATTCCATCACGTGGGATACCTGCAACA	First PCR primer
	PvMS8-f2	CAGAAATGCAGAACAGCAGAGGA	Sequencing primer
	PvMS8-r2	CCAGTTCGGCTTCGAACTGCT	Sequencing primer
MS9	PvMS9-F1	TCTGAATTCCCCATTGCCCCTTGGT	First PCR primer
	PvMS9-R1	CTTCTTCGGGTACCCCAGTATCACCTCT	First PCR primer
	PvMS9-f2	GCGAACAAACATGAGCTTCACA	Sequencing primer
	PvMS9-r2	CTCACCCACCTTCGTCAAAC	Sequencing primer
MS15	PvMS15-F1	TTGCTACTCGATGGCTGTCACCTTCA	First PCR primer
	PvMS15-R1	GACCTGAAAAAGGAGCAACAGCCAGACT	First PCR primer
	PvMS15-f2	TGTTGTTTCCCCCTTAGGT	Sequencing primer
	PvMS15-r2	GACAGCCGACGAGCATATTGA	Sequencing primer
3,502	Pv3.502-F1	TTGCCCTTCACGCCAGTGCACCCCTA	First PCR primer
	Pv3.502-R1	CATTATACGCATCGATGTAACAGCAGCA	First PCR primer
	Pv3.502-f2	CCATCAACTTGCATCTGCCGT	Sequencing primer
	Pv3.502-r2	TTCTTTGGCGGTTCTACTCA	Sequencing primer

\*PCR = polymerase chain reaction.